

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for emulating an operation of a dynamically reconfigurable computer system, the method comprising the steps of:

emulating a storage drive with a emulator;

providing operational data communication between a host device and ~~an~~ the emulator;
and

employing said provided operational data to control an operation of ~~an~~ the emulated ~~device~~ storage drive at said emulator.

2. (Original) The method of claim 1 further comprising the step of:

providing user data communication between said host device and said emulator.

3. (Currently Amended) The method of claim 2 wherein said step of providing operational data comprises the step of:

establishing a power level for said operation of said emulated ~~device~~ storage drive.

4. (Currently Amended) The method of claim 3 further comprising the step of:

adjusting the operation of said emulated ~~device~~ storage drive according to said established power level.

5. (Original) The method of claim 4 wherein said adjusting step comprises the step of:

adjusting said provision of user data communication between said host device and said emulator according to said established power level.

6. (Currently Amended) The method of claim 3 wherein said step of providing operational data comprises:

dynamically modifying said established power level to emulate one of a connection and a disconnection of a power attachment for said emulated ~~device~~ storage drive.

7. (Currently Amended) The method of claim 6 further comprising the step of:
continuously adjusting the operation of said emulated ~~device~~ storage drive based upon said dynamically modified established power level.

8. (Currently Amended) The method of claim 7 wherein said continuously adjusting step comprises the step of:
discontinuing provision of user data communication when upon occurrence of said disconnection of said power attachment to said emulated ~~device~~ storage drive.

9. (Currently Amended) The method of claim 1 wherein said step of providing operational data communication comprises the step of:
establishing an address at said host device to which said emulated ~~device~~ storage drive is connected.

10. (Currently Amended) The method of claim 9 wherein said step of providing operational data communication comprises:
modifying said established address at said host device to which said emulated ~~device~~ storage drive is connected.

11. (Currently Amended) The method of claim 1 wherein said step of providing operational data communication comprises the step of:
providing a fault detect signal to said host device to indicate a fault condition within said emulated ~~device~~ storage drive.

12. (Original) The method of claim 1 wherein said step of providing operational data communication comprises the step of:
dynamically detecting a connection of said emulator to said host device.

13. (Currently Amended) The method of claim 1 wherein said step of providing operational data communication comprises the step of:
enabling control at least one component within said emulated ~~device~~ storage drive by said host device.

14. (Currently Amended) A system for emulating an operation of a peripheral device, the system comprising:

a host device;

an emulator connected to said host device; ~~and~~

at least one control data line deployed between said host device and said emulator;

and

at least one power data line deployed between said host device and said emulator;

wherein said at least one power line includes a power supply line for dynamically detecting a connection of said emulator to said host device.

15. (Canceled)

16. (Canceled)

17. (Original) The system of claim 14 wherein said at least one control line comprises:

a motor control line for activating a component within a device emulated by said emulator.

18. (Currently Amended) A computer program product having a computer readable medium having computer program logic recorded thereon for emulating an operation of a dynamically reconfigurable computer system, the computer program product comprising:

code for providing operational data communication between a host device and an emulator;

code for employing said provided operational data to control an operation of an emulated device at said emulator; ~~and~~

code for conducting user data communication between said host device and said emulator in accordance with contents of said operational data;

wherein said code for providing operational data includes code for establishing a power level for said operation of said emulated device; and

wherein said code for providing operational data includes code for dynamically modifying said established power level to emulate one of a connection and a disconnection of a power attachment to said emulated device.

19. (Canceled)

20. (Canceled)